

Name: \_\_\_\_\_

# Seal Trails

Location Data from two Northern Elephant Seals

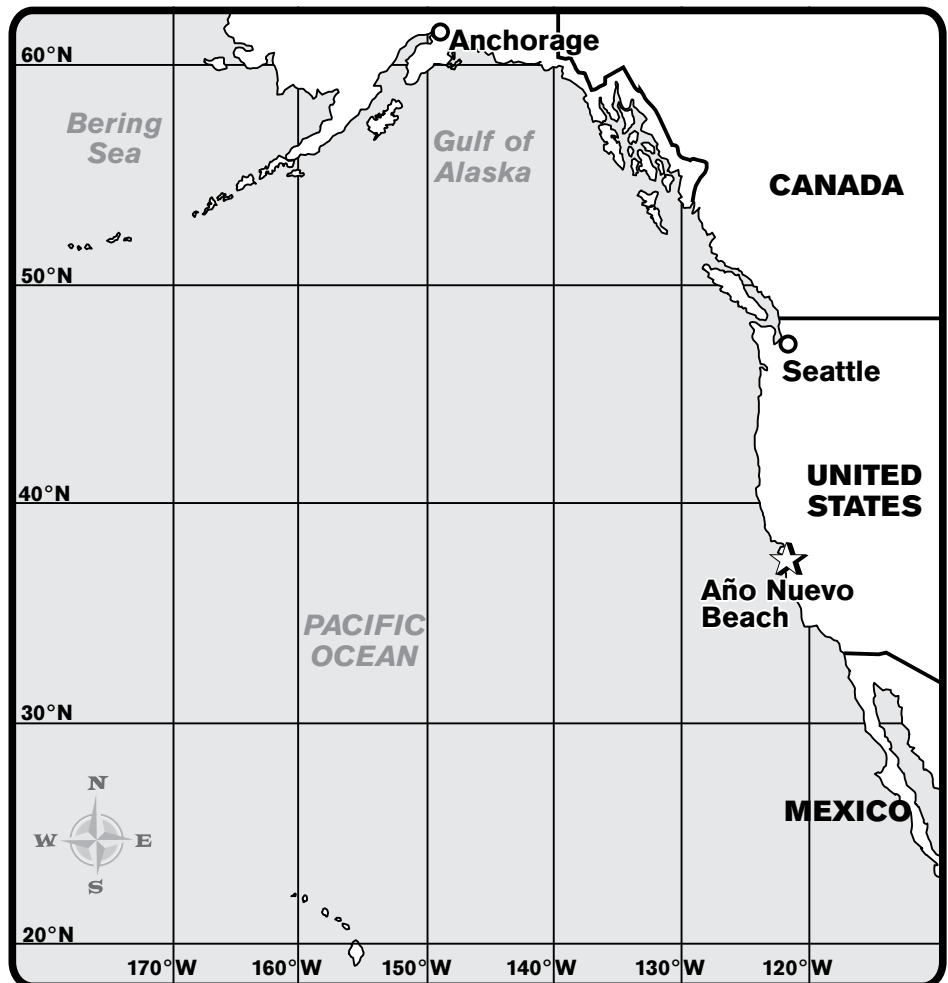
Date	Location of Seal 1	Location of Seal 2
May 1, 2008	Año Nuevo Beach	Año Nuevo Beach
June 1, 2008	40°N, 125°W	39°N, 134°W
July 1, 2008	52°N, 133°W	40°N, 160°W
August 1, 2008	58°N, 149°W	40°N, 172°W
September 1, 2008	54°N, 140°W	42°N, 165°W
October 1, 2008	50°N, 150°W	45°N, 140°W
November 1, 2008	52°N, 142°W	41°N, 131°W
December 1, 2008	47°N, 131°W	40°N, 131°W
January 1, 2009	37°N, 122°W	39°N, 126°W

SOURCE: Locations and dates are approximated from TOPP data: [http://las.pfeg.noaa.gov/TOPP\\_recent/index.html](http://las.pfeg.noaa.gov/TOPP_recent/index.html)

In “Animal Oceanographers” (pp. 16 and 17), you read that the tags attached to elephant seals give vital information about the areas of the ocean where the seals travel. The chart (right) gives location information for two tagged seals after they left Año Nuevo Beach in the spring of 2008. Using two different colored pencils and the chart data, mark the trails of each of the seals on the map below.

Answer the following questions in complete sentences:

1. After the first month, which seal was farthest from Año Nuevo Beach?
2. Which cardinal direction (North, South, East, or West) did Seal 2 travel between July 1 and August 1?
3. Which seal traveled the farthest north?
4. When was Seal 1 closest to Anchorage, Alaska?
5. Had both of the seals returned all of the way back to Año Nuevo Beach by January 1, 2009? Explain.



ANSWERS ON TE 8